

Form P.T.O. 1449

U.S. Department of Commerce
Patent and Trademark OfficeLIST OF PRIOR ART CITED BY APPLICANT
(use several sheets if necessary)Docket No.
P01,0121Serial No.
09/824,086Applicant
T. ALBRECHT et al.Filing Date
April 2, 2001Group Art Unit
2881

U.S. PATENT DOCUMENTS

Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate
<i>QJM</i>	AA	5,796,771	08/18/98	DenBaars et al.	372	75	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

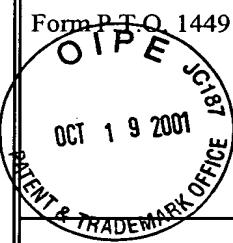
		Document Number	Date	Country	Class	Subclass	Translation
							Yes
<i>QJM</i>	AL	WO 01/33678 A1	05/10/01	PCT	HO1S	3/0941	
<i>QJM</i>	AM	WO 01/31756 A1	05/03/01	PCT	HO1S	3/09	
	AN						
	AO						
	AP						
	AQ						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>QJM</i>	AQ	Japanese Abstract, 07249824, Date of Publication 09/26/95.
<i>QJM</i>	AR	"An optically pumped GaN-AIGaN vertical cavity surface emitting laser", XP 000599607, Appl. Phys. Lett. 69, pgs. 1-3. <i>July 1996, Vol. 69, No. 1, Redwing et al</i>
<i>QJM</i>	AS	"Vertical cavity surface emitting laser with a submonolayer thick InAs active layer", XP 000273980, Applied Physics Letters, pgs. 1800-1802. <i>Vol. 60, No. 15, April 1992, Benjamin et al.</i>
<i>QJM</i>	AT	Onischenko et al., "Prediction of a large optical bistability in hybrid-cavity surface-emitting lasers", IEE Proc.-Optoelectron, Vol. 146, No. 1, Feb. 1999, pgs. 67-70.
	AU	

Examiner <i>QJM</i>	Date Considered <i>11-02</i>
---------------------	------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	U.S. Department of Commerce Patent and Trademark Office		
	Docket No. P01,0121		Serial No. 09/824,086
	Applicant Tony ALBRECHT et al.		
	Filing Date April 2, 2001	Group Art Unit 2881	
LIST OF PRIOR ART CITED BY APPLICANT (use several sheets if necessary)			

U.S. PATENT DOCUMENTS

Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate
DM	AA	5,991,318	11/23/99	Caprara et al.	372	22	
DM	AB	5,748,653	05/05/98	Parker et al.	372	8	
DM	AC	5,548,610	08/20/96	Bouadma et al.	372	99	
DM	AD	5,212,706	05/18/93	Jain	372	50	
DM	AE	5,212,701	05/18/93	Choquette et al.	372	45	
DM	AF	5,231,642	07/27/93	Scifres et al.	372	45	
	AG						
	AH						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
DM	AI	DE 195 06 959	08/29/96	German				✓
DM	AJ	DE 197 17 571	10/29/98	German				✓
DM	AK	24 13 493	10/03/74	German				✓
DM	AL	DE 44 25 711	02/02/95	German				✓
DM	AM	1 514 507	05/14/69	German				✓
DM	AN	DE 39 16 962	11/29/90	German				✓

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

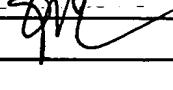
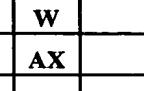
DM	AN	Gerhold et al., "Novel Design of a Hybrid-Cavity Surface-Emitting Laser", IEEE Journal of Quantum Electronics, Vol. 34, No. 3, pgs. 506-511. <i>March 1998</i>
DM	AQ	Grabherr et al., "Bottom-Emitting VCSEL's for High-CW Optical Output Power", IEEE Photonics Technology Letters, Vol. 10, No. 8, pgs. 1061-1063. <i>August 1998</i>
DM	AP	Shire et al., "Coupled In-Plane and Vertical-Cavity Laser 1 X N Routing Switches", IEEE Photonics Technology Letters, Vol. 8, No. 11, pgs. 1537-1539. <i>November 1996</i>
DM	AQ	Shire et al., "Multiple-Input Optical Control of Vertical Cavity Surface Emitting Lasers Using Intracavity-Coupled In-Plane Lasers", IEEE Photonics Technology Letters, Vol. 8, No. 2, pgs. 188-190. <i>Feb. 1996</i>
DM	AR	Shire et al., "Gain controlled vertical cavity surface emitting lasers coupled with intracavity in-plane lasers", Appl. Phys. Lett. 66, pgs. 1717-1719. <i>April 1995</i>
	AS	
	AT	
	AU	

Examiner *DM* Date Considered *11-02*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**COPY OF PAPERS
ORIGINALLY FILED**

Sheet 1 of 1

<p style="text-align: center;">U.S. Department of Commerce Patent and Trademark Office</p> <p style="text-align: center;">LIST OF PRIOR ART CITED BY APPLICANT (use several sheets if necessary)</p>					Docket No.:		Serial N .
					P01,0121		09/824,086
					Applicant(s): Tony Albrecht, et al		
Filing Date April 2, 2001			Group Art Unit 2828				
U.S. PATENT DOCUMENTS							
Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate
	AA	4,380,076	April 12, 1983	Bethune	372	54	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
	AJ	WO 01/93386 A1	06 December 2001	PCT			Yes <input checked="" type="checkbox"/> N <input type="checkbox"/>
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
	A W						
	AX						
	AY						
	AZ						
Examiner		Date Considered	11-02				

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through